

reflexion were not in the same planes with their Angles of incidence.

O B S. XI.

The Colours of the new Rings were in a contrary order to those of the former, and arose after this manner. The white round Spot of Light in the middle of the Rings continued white to the center till the distance of the incident and reflected beams at the chart was about $\frac{7}{8}$ parts of an Inch, and then it began to grow dark in the middle. And when that distance was about $1\frac{1}{16}$ of an Inch, the white Spot was become a Ring encompassing a dark round Spot which in the middle inclined to violet and indico. And the luminous Rings encompassing it were grown equal to those dark ones which in the four first Observations encompassed them, that is to say, the white Spot was grown a white Ring equal to the first of those dark Rings, and the first of those luminous Rings was now grown equal to the second of those dark ones, and the second of those luminous ones to the third of those dark ones, and so on. For the Diameters of the luminous Rings were now $1\frac{1}{16}$, $2\frac{1}{16}$, $2\frac{2}{3}$, $3\frac{1}{10}$, &c. Inches.

When the distance between the incident and reflected beams of Light became a little bigger, there emerged out of the middle of the dark Spot after the indico a blue, and then out of that blue a pale green, and soon after a yellow and red. And when the Colour at the center was brightest, being between yellow and red, the bright Rings were grown equal to those Rings which in the four first Observations next encompassed them; that

that is to say, the first Ring was now grown equal to those bright ones which in the four first Observations were now become the first of those luminous ones. For the Diameters of the first of those luminous ones were $2\frac{1}{16}$, $2\frac{1}{16}$, $3\frac{1}{10}$, &c.

When the distance between the incident and reflected beams at the Chart was a little bigger, the white Spot in the middle of the middle of the Rings began to grow a green, a yellow, and then a red, and when the Colour at the center was brightest, the first of those dark Rings, and the first of those luminous Rings, were become equal to the first of those dark ones, and the first of those luminous ones to the second of those dark ones, and so on. For the Diameters of the luminous Rings were now $1\frac{1}{16}$, $2\frac{1}{16}$, $2\frac{2}{3}$, $3\frac{1}{10}$, &c. Inches.

When these Rings were grown equal to those dark ones, there emerged out of the middle of the dark Spot a brighter Colour, being between blue, green, and yellow, and then a yellow and red. And when the Colour at the center was brightest, the first of those dark Rings, and the first of those luminous Rings, were become equal to the first of those dark ones, and the first of those luminous ones to the second of those dark ones, and so on. For the Diameters of the luminous Rings were now $1\frac{1}{16}$, $2\frac{1}{16}$, $2\frac{2}{3}$, $3\frac{1}{10}$, &c. Inches.